

**Form A- Annual Review 8441**

UTC Standard Annual Review Inspection Report  
Intrastate Operators  
FORM A: Annual Review

**Inspector and Operator Information**

<b>Inspection ID</b> 8441	<b>Inspection Link</b> 8441	<b>Inspector - Lead</b> Scott Anderson	<b>Inspector - Assist</b>
<b>Operator</b> Petrogas	<b>Unit</b> Ferndale Storage Terminal	<b>Records Location - City &amp; State</b> Ferndale, WA	
<b>Inspection Start Date</b> 12-13-2022	<b>Inspection Exit Interview Date</b> 12-13-2022	<b>Engineer Submit Date</b> 12-14-2022	

**Inspection Summary**

You must include the following in your inspection summary:

- \*Inspection Scope and Summary
- \*Facilities visited and Total AFOD
- \* Summary of Significant Findings
- \* Primary Operator contacts and/or participants

**Inspection Scope and Summary**

This inspection was a review of Petrogas' manual revisions, annual reports, incidents from 2022 and PHMSA advisory bulletins.

**Facilities visited and Total AFOD**

1

**Summary of Significant Findings**

No findings

**Primary Operator contacts and/or participants**

Nicole Fিন্নamore, Compliance Manager, Petrogas

Cody Treloar, Process Safety Management Coordinator, Petrogas

**Operator executive contact and mailing address for any official correspondence**

<w:sdtdocpart="5D3FCE0D533C4F158F1EF910BC9560A9" id="-561797724" sdttag="Company Formal Contact" text="t" title="Company Formal Contact">Derek Vallee</w:sdtdocpart>  
Midstream Operations<w:sdtdpr></w:sdtdpr>  
<w:sdtdocpart="5D3FCE0D533C4F158F1EF910BC9560A9" id="-1604711168" sdttag="Company Name" text="t" title="Company Name">Petrogas Ferndale Terminal</w:sdtdocpart>  
<w:sdtdocpart="25190E36086B491B92842F1DE3F57CBA" id="434025541" sdttag="Street Address" text="t" title="Street Address">Suite 3900, Bow Valley SQ2, 205 5th Ave SW</w:sdtdocpart>  
<w:sdtdocpart="5D3FCE0D533C4F158F1EF910BC9560A9" id="1258482351" sdttag="City, State Zip" text="t" title="City, State Zip">Calgary, Alberta, Canada T2P 2V</w:sdtdocpart>

**Instructions and Ratings Definitions**

**INSPECTION RESULTS: Annual Review**

<b>Satisfactory Responses</b> 4	<b>Satisfactory List</b> 1,3,9,26,	<b>Number of Unanswered Questions</b> 0	<b>Unanswered List</b>
<b>Unsatisfactory Responses</b> 0	<b>Unsatisfactory List</b>		
<b>Area of Concern Responses</b> 0	<b>Area of Concern List</b>		
<b>Not Applicable Responses</b> 35	<b>Not Applicable List</b> 4,5,6,7,8,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,27,28,29,30,31,32,35,37,38,39,40,42,43,44		
<b>Yes Responses</b> 1	<b>Yes List</b> 36,	<b>No Responses</b> 2	<b>No List</b> 34,41
<b>Not Checked / Evaluated Responses</b> 0	<b>Not Checked / Evaluated List</b>		

\*\*If an item is marked Unsat, AOC, N/A, or N/C, an explanation must be included in the "Notes" block for that question and also summarized in the " SUMMARY OF REQUIRED COMMENTS" section at the end of this inspection form.

**Crew Inspection History**

Click Link for Full List of Crew Inspections

Determination crew inspection Date	Inspector	Operator	Unit	Type of Work	Foreman Name	Contractor Name	Comments / Observations for Operator
No Crew Inspection records found							

**Facility Inspection History**

Link for Full List of Facility Inspections

Date	Inspection ID	Form A Operator Name	Other Company	Inspector	Type of Inspection	Do you have inspection pictures or file attachments?
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Date	Inspection ID	Form A Operator Name	Other Company	Inspector	Type of Inspection	Do you have inspection pictures or file attachments?
No Facility Inspection records found						

**Scheduled Inspection History**

**Annual Review Inspection History**

Year of Inspection	Facility - Operator	Unit Name	Inspection ID	Inspection Type	Inspection Status	Closed Date	Next Inspection Interval	SHAREPOINT
<b>Petrogas West LLC (10 Inspection records)</b>								
2023	Petrogas West LLC	Petrogas - Ferndale Storage Terminal	8615	Standard Comprehensive - HL	Pending			Documents
2023	Petrogas West LLC	Petrogas - Ferndale Storage Terminal	8616	Standard - Annual Review	Pending			Documents
2022	Petrogas West LLC	Petrogas - Ferndale Storage Terminal	8441	Standard - Annual Review	In the Workflow		12-13-2023	Documents
2022	Petrogas West LLC	Petrogas - Ferndale Storage Terminal	8442	OQ - Operator Qualification	In the Workflow		12-13-2026	Documents
2022	Petrogas West LLC	Petrogas - Ferndale Storage Terminal	8444	Section 114	In the Workflow		12-13-2023	Documents
2021	Petrogas West LLC	Petrogas - Ferndale Storage Terminal	8289	Standard - Annual Review	Complete	06-16-2021	06-10-2022	Documents
2020	Petrogas West LLC	Petrogas - Ferndale Storage Terminal	8035	Standard Comprehensive - HL	Complete	10-29-2020	08-19-2023	Documents
2020	Petrogas West LLC	Petrogas - Ferndale Storage Terminal	8036	DA - Drug & Alcohol	Complete	07-29-2020	07-07-2024	Documents
2020	Petrogas West LLC	Petrogas - Ferndale Storage Terminal	8037	PA - Public Awareness	Complete	07-28-2020	07-06-2024	Documents
2020	Petrogas West LLC	Petrogas - Ferndale Storage Terminal	8193	OM PPR LIQUID - Operations & Maintenance, Plans & Procedures Review	Complete	07-28-2020	07-06-2024	Documents

**GAS System Operations History**

**Annual Report - Miles of Main**

Year	Operator	SYSTEM TOTAL Miles of Main	Miles of Service	SYSTEM TOTAL NO. of Services	Average Service Length
No Report records found					

**Annual Report GAS Transmission Miles**

YEAR	Total Total Miles	e. Total tool mileage inspected in calendar year using in-line inspection tools
No Report records found		

**Annual Report - Leaks**

Year	Operator	Cause of Leak Mains Total	Cause of Leak Mains Hazardous Total	Cause of Leak Services Total	Cause of Leak Services Hazardous Total	NUMBER OF KNOWN SYSTEM LEAKS AT END OF YEAR SCHEDULED FOR REPAIR
No Report records found						

**Annual Report - EFV**

Operator	Year	Number of EFV's Installed This Calendar Year on Single Family Residential Services:	Estimated Number of EFV's in the system at the End of The Year:	Total Number of Services with EFV Installed During Year:	Estimated Number of Services with EFV In The System At The End of The Year:	* Total Number of Manual Service Line Shut-off Valves Installed During Year:	* Estimated Number of Services with Manual Service Line Shut-off Valves Installed in the System at End of Year:
No Report records found							

**HL System Operations History**

**HL Annual Report - Miles of Pipe by Decade**

YEAR	Operator	Commodity Group	Part I - Total Miles of Pipe by Decade	Unknown	Pre-20s	1920-1929	1930-1939	1940-1949	1950-1959	1960-196
No Report records found										

**HL Annual Report - HL Miles / HCAs**

YEAR	Operator	Commodity Group	Total Segment Miles that Could Affect HCAs	High Population	Other Population	Drinking Water	Ecological Resource	Comm Navigable Water	HL Annual R
No Report records found									
No Report									

**ANNUAL REPORT: ACCURACY/TRENDS**

**Question #1.**

Was the Annual Report reviewed for accuracy and trends? If any trends were discovered, please describe.

**1. Result**

Satisfactory

**1. Notes**

Submitted 4/27/22 for CY 2021

Access to Complete Distribution Annual Report

Year	Operator	SYSTEM TOTAL Miles of Main	Miles of Service	SYSTEM TOTAL NO. of Services	Average Service Length
No Report records found					

Access to Complete Transmission Annual Report

YEAR	Operator	Commodity Group	Total Total Miles
No Report records found			

Access to Complete Hazardous Liquid Annual Report

YEAR	Operator	Commodity Group
No Report records found		

**DAMAGE PREVENTION**

Annual Report Damage Prevention data

Year	Operator	Number of Excavation Tickets	Total Number of Excavation Damages By Apparent Root Cause:	Locating Practices Not Sufficient:	One-Call Notification Practices Not Sufficient:	Excavation Practices Not Sufficient:	Other:	Number of Services	Total Leaks - Excavation Damage	Total Main Leaks	Miles of Service MAIN	Number of Leaks per Mile of MAIN	Tc Le
No Damages records found													

DIRT data on mismarks for prior year

Damage Cause	Number of Reports
No Report records found	

DIRT Timeliness - Prior Year Reports must be submitted within 45 days of the damage.

SubmitCompanyID - UTCfinalName	Number of Reports
No Report records found	

Question #2.

Review the following damage prevention items:

Q2. Is the damage prevention information in the annual report complete?

http://Y

Q2.b. Is the annual report damages root cause information complete and accurate?

Y

Q2.d. Does the operator follow a process to evaluate the cause of "Locating practices not sufficient" category?

Y

Q2.e. Is the operator or its contractor qualified and following procedures for locating and

Y

Q2.g. What is the number of damages resulting from mismarks?

0

Q2.h. What is the number of damages resulting from not locating within the time require

0

Q2.j. Are mapping corrections timely and according to written procedures?

Y

Q2.k. Does the operator follow a process to evaluate causes for damages listed "Excavati

Y

2. Notes

**NPMS SUBMISSIONS/CHANGES**

Question #3.

For transmission operators, has the operator submitted information to the NPMS database, along with changes made after the original submission? Satisfactory

3. Result

3. Notes

Submitted 3/30/22

**INCIDENT/SRC/AOC REPORTS REVIEW**

Question #4

Were there any federally reportable incidents during the previous year? Are there any discernable trends to these incidents?

4. Results

Not Applicable

4. Notes

**Q4: Federally reportable incidents**

NotificationID	Operator	Company	NRC #	Assigned Engineer	Date & Time of Incident	Street Address of event/incident	Incident Address: City	Closure Date	Reporting Level
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No Incident Notification records found

**Question #5.**

Review operator records of previous year's accidents and failures including reported third party damage and leak response. Is the operator ensuring appropriate evaluation and response as required in 192.617 (Gas) or 195.402 (HL) to determine cause of failure? Is the operator taking appropriate steps to minimize the possibility of recurrence?

**5. Result**  
Not Applicable

**5. Notes**

**Question #6.**

Review incident reports for the previous year for accuracy and identify any trends. If any trends discovered please describe. (Please see list of incident data at end of this report)

**Q6: Incident Reports**

NotificationID	Inspector	Company	Street Address of event/incident	Date & Time of Incident	Is 30-Day Report Received?	Reporting Level
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No Incident Notification records found

**6. Result**  
Not Applicable

**6. Notes**

**Question #7.**

Were there reportable or unreportable safety related conditions during the previous year? If yes please describe.

**Q7: Report of SRCs**

NotificationID	Company	Safety-Related Condition	SafetyRelatedConditionChoices	Reportable?	Date & Time of Incident	Company Notified Date	Report Date
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No Incident Notification records found

**7. Result**  
Not Applicable

**7. Notes**

**Question #8.**

For transmission systems, were there any abnormal operating conditions (as described in 192.605 (c) or 195.402(d)) since the last annual review? If yes please describe.

**8. Notes**

**8. Result**  
Not Applicable

**O&M & EMERGENCY PROGRAMS**

**Question #9.**

Is the O&M Manual up to date and were changes made in the previous year?

Operator Manuals on Sharepoint

**9. Result**  
Satisfactory

**9. Notes**

No significant changes

**Question #10.**

If changes to the O&M were made, are changes acceptable?

**10. Result**  
Not Applicable

**10. Notes**

**Question #11.**

Were emergency plans changed during the previous year?

**11. Result**

Not Applicable

**11. Notes**

No changes

**Question #12.**

Were any changes to emergency plans satisfactory?

**12. Result**

Not Applicable

**12. Notes**

**INTEGRITY MANAGEMENT PROGRAMS**

**Question #13**

Were there changes to the Integrity Management programs (TIMP, DIMP or both, as applicable)?

**13. Result**  
Not Applicable

**13. Notes**

No HCAs

**Question #14.**

Is the DIMP/TIMP up to date? What are the results of the operator's program review (effectiveness evaluation) (DIMP every 5 years)?

**14. Result**  
Not Applicable

**14. Notes**

No HCAs

**Question #15**

Are IMP program changes acceptable?

**15. Result**  
Not Applicable

**15. Notes**

No HCAs

<b>Question #16</b> Was appropriate assessment/ repair work conducted during the past year? (monitor progress of IMP activities)	<b>16. Results</b> Not Applicable
<b>16. Notes</b> No HCAs	
<b>Question #17</b> Does the operator's HCA location data correspond to the positional data located in UTC GIS?	<b>17. Results</b> Not Applicable
<b>17. Notes</b> No HCAs	
<b>Question #18</b> What assessment work is planned for the upcoming year?	<b>18. Results</b> Not Applicable
<b>18. Notes</b> No HCAs	
<b>Question #19</b> Within the operator's DIMP, are low pressure systems evaluated for overpressure threats?	<b>19. Results</b> Not Applicable
<b>19. Notes</b> Liquid	
<b>Question #20</b> Did the operator develop and follow specific procedures for low pressure system construction or maintenance projects? (Note: this question is revisited in greater detail in the ADB review section)	<b>20. Results</b> Not Applicable
<b>20. Notes</b> Liquid	
<b>Question #21</b> Are plastic pipe and components that have shown a record of defects/leaks being mitigated through the DIMP plans?	<b>21. Results</b> Not Applicable
<b>21. Notes</b>	
<b>Question #22</b> Has appropriate DIMP remediation work occurred during the past year? (monitor progress of DIMP activities)	<b>22. Results</b> Not Applicable
<b>22. Notes</b> Liquid	
<b>Question #23</b> What DIMP remediation work is anticipated for upcoming year?	<b>23. Results</b> Not Applicable
<b>23. Notes</b> Liquid	

**OQ PROGRAM**

<b>Question #24</b> Is the OQ program up to date? Were there changes to the Operator Qualification (OQ) program in the last year? If yes, please describe.	<b>24. Results</b> Not Applicable
<b>24. Notes</b>	
<b>Question #25</b> Are the OQ plan updates satisfactory?	<b>25. Results</b> Not Applicable
<b>25. Notes</b>	
<b>Question #26</b> Are personnel performing covered tasks (including contractors) properly qualified and requalified at intervals determined in the operator's plan?	<b>26. Results</b> Satisfactory
<b>26. Notes</b> yes see 2022 OQ inspection results	

**PUBLIC AWARENESS PROGRAM**

<b>Question #27</b> Is the PA program up to date? And were there changes to the Public Awareness (PA) program within the last year?	<b>27. Results</b> Not Applicable
<b>27. Notes</b> No changes	
<b>Question #28</b> Are changes to the PA program satisfactory?	<b>28. Results</b> Not Applicable
<b>28. Notes</b> No changes	

**CONTROL ROOM PROGRAM**

<b>Question #29</b> Is the CRM program up to date? And were there changes to the Control Room Management (CRM) program within the last year?	<b>29. Results</b> Not Applicable
<b>29. Notes</b> No CRM	
<b>Question #30</b> Are the CRM program changes satisfactory?	<b>30. Results</b> Not Applicable
<b>30. Notes</b> No CRM	

SAFETY MANAGEMENT SYSTEM API 1173

**Question #31** **31. Results**  
 Is the operator developing and implementing an API 1173 Safety Management System? Not Applicable  
**31. Notes**

INSPECTOR ASSESSMENT OF INSPECTION UNITS

**Question #32** **32. Results**  
 Are inspection units broken down appropriately? Do you recommend any changes to inspection units? Not Applicable  
**32. Notes**

**Q32: List of current inspection units**

Unit Name	Distribution/Transmission	Intrastate or Interstate?	GAS or LIQUID	UTC Unit ID	UTC Operator ID
No Unit records found					

OPERATOR'S PUBLIC WEB PAGE

**Question #33** **33. Results**  
 For informational purposes: Using the drop down selections available in the "Results" block, indicate whether the operator's web page contains the information listed by placing a check in the box adjacent to all items that are present. Q33.A Pipeline Purpose and Reliability ; Q33.B Damage Prevention ; Q33.C Pipe Location Information ; Q33.D How to get additional information  
**33. Notes**

ADVISORY BULLETIN REVIEW

**Question #34**  
 Is there potential for damage to the operator's pipeline facilities caused by flooding, river scour, or channel migration?  
**ADB 2019-01** **34. Results**  
 ADB 2019-01 Flood Mitigation NO  
**34. Notes**

**Question #35**  
 If "YES" to Q34, did the operator take appropriate action in accordance with the guidance contained ADB 2019-01? Discuss ADB's guidance with operator's representative, and annotate any concerns.  
**ADB 2019-01** **35. Results**  
 ADB 2019-01: Flood Mitigation Not Applicable  
**35. Notes**

**Question #36**  
 Is there potential for the operator's system to be damaged by earth movement or other seismic/geological activities?  
**ADB 2019-02** **36. Results**  
 ADB 2019-02: Earth Movement/Geological Hazards YES  
**36. Notes**  
 Petrogas has an earthquake procedure checklist

**Question #37**  
 If "YES" to Q36, did the operator take appropriate action according to ADB 2019-02? Discuss suggested actions from ADB with operator's representative and annotate any concerns.  
**ADB 2019-02** **37. Results**  
 ADB 2019-02: Earth Movement/Geological Hazards Not Applicable  
**37. Notes**

**Question #38**  
 Does the operator have any indoor meter sets or regulators in their system?  
**ADB 2020-01** **38. Results**  
 ADB 2020-01 Inside Meter Sets Not Applicable  
**38. Notes**

**Question #39**  
 If operator's system has indoor meter sets/regulators, did the operator review ADB 2020-0115? Discuss ADB guidance with operator's representative and annotate any concerns. Particular attention must be given to the operator's plan to conduct leak surveys, AC inspections, and other maintenance activities in locations that are difficult to access, as well as the inclusion of inside meters/regulators within the operator's DIMP plan, as applicable.  
**ADB 2020-01** **39. Results**  
 ADB 2020-01 Inside Meter Sets Not Applicable  
**39. Notes**

**Question #40**  
 Is the operator's record of locations for all indoor meter sets/regulators within their system complete and sufficiently detailed??  
**ADB 2020-01** **40. Results**  
 ADB 2020-01 Inside Meter Sets Not Applicable

40. Notes

Question #41

Does the operator have any low pressure systems?

ADB 2020-02

ADB 2020-02 Low Pressure Systems

41. Results

NO

41. Notes

Question #42

If "YES" to Q41, did the operator review ADB 2020-0025 for Overpressure Protection of Low-Pressure Natural Gas Distribution Systems? Review ADB guidance with operator and annotate any concerns.

ADB 2020-02

ADB 2020-02 Low Pressure Systems

42. Results

Not Applicable

42. Notes

Question #43

For low pressure construction/maintenance projects, does the operator have a process for review of engineering plans and constructibility reviews that are carried out through all applicable departments? Do all applicable departments review project plans for accuracy, completeness and correctness? How are control procedures developed that could identify system threats that could result in a common failure mode? How is the operator mitigating risk in their low pressure system?

ADB 2020-02

ADB 2020-02 Low Pressure Systems

43. Results

Not Applicable

43. Notes

Question #44

Does the operator include all low-pressure system risks in their DIMP program appropriately?

ADB 2020-02

ADB 2020-02 Low Pressure Systems

44. Results

Not Applicable

44. Notes

▼ SUMMARY OF REQUIRED COMMENTS

COMMENTS: Required for any ratings other than Satisfactory. Summarize/consolidate entries from the "Notes" blocks above. Ensure you annotate the question number for each comment.